PENTAX Binoculars

MARINE 7x50 HYDRO

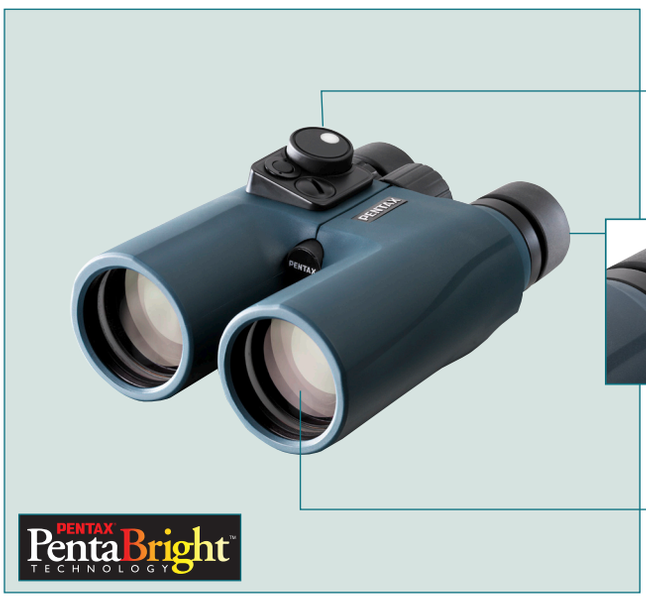
BRAVE THE ELEMENTS

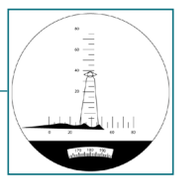
Exceptionally precise yet almost unbreakable, the PENTAX Marine was developed for especially demanding conditions. Its oil-filled compass is built into the eyepiece, and an advanced stabilisation system reduces unwanted vibration when viewing. Bearings are clearly readable in 1 degree steps, and the rangefinder reticle allows easy distance calculation of known objects.

> Water proof, fog proof, nitrogen-purged

> Fully multi-coated lenses

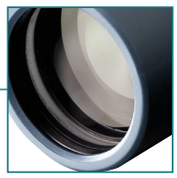
> Rubber armour and adjustable eyepieces





Immediate positioning with built in compass and distance scale.

Twist-up eye cups.



For outstanding image quality, smc lens coatings, BaK4 prisms, Phase Correction coatings and water repellant (hydrophobic) coatings.

PENTAX

Magnification

The first number in the product name is the magnification. The MARINE 7x50 Hydro for example, offers 7 times magnification, making your subject appear seven times larger compared to the naked eye. Normally, the higher the magnification, the narrower the field of view. Continuous observation for long periods is best with magnifications up to ten times, any higher and keeping the image steady becomes less easy.

Objective Lens Diameter

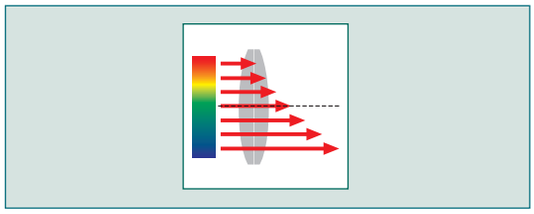
The diameter in mm of the front lens of the binocular, and the second number in the product name, so the MARINE 7x50 Hydro has an objective lens diameter of 50mm. The larger this number is, the better the light gathering power of the binocular, particularly important for low light viewing. Binoculars with larger objective lens diameters are normally heavier, more bulky and costly.

Eyepoint

The eyepoint is the distance between the viewers eye and the eyepiece lens, measured in mm. The larger this number is, the more comfortable the binocular for spectacle wearers. For a pair of semi-compact binoculars the eyepoint should be between 14 and 18mm, whilst for a full size pair such as the MARINE 7x50 Hydro, an eyepoint of between 15 and 20mm is usual. Spectacle wearers should insist on an eyepoint of at least 17mm to see the complete field of view.

SMC-SUPER MULTI COATING

To improve the overall transmission and resolution, lens-coatings are used to reduce reflection and any loss in contrast. With the use of Super Multi Coated lenses, PENTAX achieves high efficiency, allowing light transmission of up to 98%! The **PENTAX SMC coating** is a complex and sophisticated 7-layer coating that corrects light transmission over the full light spectrum. The patented PENTAX SMC technology is renowned in the optical industry.



MARINE 7x50 Hydro	
Magnification	7x
Objective Lens Diameter	50mm
Type	Full size roof prism binoculars
Lens coating	All lenses fully multi coated
Prism	BaK4 with Phase Correction Coating
Twilight factor	18.7
Field of View (at 1,000m)	116m
Minimum focus	3.0m
Exit pupil	7.1mm
Eyepoint	17.6mm
Eyecups	fully adjustable
Tripod adaptor	No
Size (LxWxH in mm)	175x134x62
Weight (g)	976
PENTAX Code No.	51024 (Blue), 51025 (Orange), 51026 (incl. Southern hemisphere compass)
Accessories	Case, strap

Code No.	BLUE	51024
Barcode		0027075148925
Code No.	ORANGE	51025
Barcode		0027075148932
Code No.	incl. Southern hemisphere compass	51026
Barcode		0027075148949

PENTAX